

Listing of the Claims:

1. (Currently Amended) ~~Vacuum~~ A vacuum gripper for suctioning work pieces, ~~with comprising:~~

a vacuum connection (14);

a flexible suction body (20) ~~and;~~

a suction body holder (12), ~~where;~~

the side of the suction body (20) facing ~~the~~ a workpiece (32) the workpiece including ~~comprises~~ a sealing lip, (22) bounding a vacuum chamber, (26), ~~and the vacuum chamber (26) is connected by air flow to the~~ a vacuum connection (14) ~~where;~~

the suction body (20) ~~has~~ having a contact surface (28) abutting the work piece (32) with prevailing vacuum in the vacuum chamber (26); ~~and~~

~~characterized in that~~ the contact surface (28) ~~comprises including~~ a microstructure (38) formed of one of rod, louver and rod-, louver- or pin-shaped elements (34).

2. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1, wherein the elements (34) are part of a microstructure (38).

3. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein at least one of the elements (34) ~~or at least their~~ and the free ends (36) of the elements are plially flexible.

4. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) ~~consist~~ are formed of the same material as the vacuum gripper (10).

5. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) are disposed as one piece on the suction body (20).

6. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the claims 1 to 4~~, wherein the elements (34) are disposed on a carrier to be attached to the vacuum gripper (10).

7. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 6, wherein the carrier is one of a plate ~~or and~~ a film (42).

8. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) are made of plastic.

9. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein ~~the~~ a length (L) of the elements (34) is two to twenty, ~~specifically five to ten~~ times, greater than ~~their~~ a thickness (D) ~~or diameter of the elements~~.

10. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) are at a distance (A) from each other that corresponds to 0.5 to 2.5, ~~specifically one to two~~ times, ~~their~~ a thickness (D) of the elements.

11. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) have one of a rounded, a flattened ~~or and~~ a pointed free end (36).

12. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) have one of a circular, an elliptical ~~or and~~ a flat (planar) cross section.

13. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 12, wherein ~~the~~ a blade plane for elements (34) with a flat cross section extends in the circumferential direction of the vacuum gripper (10).

14. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) project ~~perpendicular~~ perpendicularly from the contact surface (28).

15. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the sealing lip (22) is free of ~~the~~ elements (34).

16. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein the elements (34) extend (10) over 70 to 95% of its radius, starting from the center (40) of the vacuum gripper.

17. (Currently Amended) ~~Vacuum~~ The vacuum gripper in accordance with claim 1 ~~one of the preceding claims~~, wherein ~~the~~ a length (L) of the elements measures 0.1 to 3mm, ~~specifically 0.5 to 1mm~~.

18. (Currently Amended) ~~Method~~ A method for producing a suction gripper (10) in accordance with claim 1 ~~one of the preceding claims~~, characterized by the step of ~~in that it is injection molded~~ injecting molding the suction gripper.

19. (Currently Amended) ~~Method~~ The method in accordance with claim 18, ~~wherein comprising the step of cutting the elements (34) are~~, at least partially, ~~cut~~ out of the contact surface (28) by means of a laser.

20. (Currently Amended) ~~Method~~ The method in accordance with claim 18, ~~wherein comprising the step of~~ at least in sections adhering a film (42) ~~comprising forming the elements (34) is adhered~~ to the contact surface (28).

21. (Currently Amended) ~~Method~~ The method in accordance with claim 20, ~~wherein comprising the step of adhering several films (42) are adhered~~ on top of each other.

22. (New) The vacuum gripper in accordance with claim 1, wherein a length of the elements is five to ten times greater than a thickness of the elements.

23. (New) The vacuum gripper in accordance with claim 1, wherein the elements are at a distance from each other that corresponds to one to two times a thickness of the elements.

24. (New) The vacuum gripper in accordance with claim 1, wherein a length of the elements measures 0.5 to 1.0 mm.